

Converting Colors

$Yxy(87.0754, 0.3780, 0.4184)$

Have a look what the booklet for
Yxy(87.0754, 0.3780, 0.4184)
contains.

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Color

Yxy(87.0313, 0.3781, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	FFF298
RGB	255, 242, 152
RGB Percent	100%, 95%, 60%
CMY	0.0000, 0.0510, 0.4039
CMYK	0.00, 0.05, 0.40, 0.00
HSL	52°, 100%, 80%
HSV	52°, 40%, 100%
XYZ	78.6673, 87.0313, 42.3609
YIQ	235.6270, 36.6380, -25.2340

Conversions

Conversions Part 2

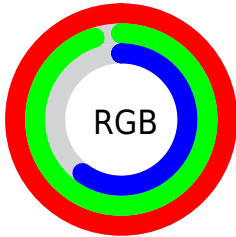
Format	Color
R_{YB}	167, 255, 152
Decimal	16773784
CIE _{Lab}	94.75, -7.93, 44.95
CIE _{LCh}	95, 45.641, 100.003
Yxy	87.0313, 0.3781, 0.4183
Android (android.graphics.Color)	4294963864 (0xFFFFF298)
YUV	235.6270, -41.2281, 16.9901
Hunter-Lab	93.2906, -12.7383, 38.3813

Details

The Yxy color **87.0313, 0.3781, 0.4183** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.8105, 0.2398, 0.2201**, and the grayscale version is **83.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **47.8890, 0.3911, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **84.3830, 0.3941, 0.4385**, and if you desaturate by 10%, it is **89.8909, 0.3614, 0.3965**.

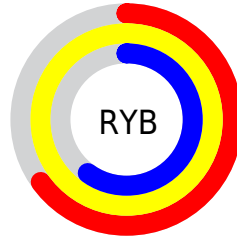
Distribution



Red (100%)

Green (95%)

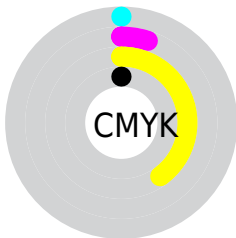
Blue (60%)



Red (65%)

Yellow (100%)

Blue (60%)

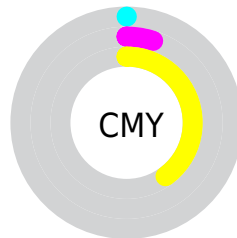


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0313, 0.3781, 0.4183 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 87.0313, 0.3781, 0.4183 by changing the saturation by 10% instead.


 87.0313, 0.3781,
0.4183


 87.0313, 0.3781,
0.4183

518.3257, 0.3500,
0.3785

 65.5211, 0.3839,
0.4268

 143.2078, 0.3688,
0.4049

 47.8838, 0.3907,
0.4370


 178.6428, 0.3651,
0.3996

 33.7348, 0.3986,
0.4494


219.4883, 0.3618,
0.3949

 22.6900, 0.4080,
0.4646

266.1286, 0.3589,
0.3908

 14.3648, 0.4188,
0.4833

318.9481, 0.3563,
0.3872

 8.3748, 0.4306,
0.5061

378.3312, 0.3540,

 4.3357, 0.4528,

0.3840

0.5472

444.6622, 0.3519,
0.3811

■ 1.8631, 0.4413,
0.5587

■ 0.5260, 0.3681,
0.6319

■ 87.0313, 0.3781,
0.4183

■ 87.0313, 0.3781,
0.4183

■ 84.3830, 0.3941,
0.4385

■ 89.8909, 0.3614,
0.3965

■ 81.9372, 0.4089,
0.4561

■ 92.9757, 0.3448,
0.3739

■ 79.6799, 0.4217,
0.4700

■ 96.2944, 0.3286,
0.3515

■ 77.5959, 0.4319,
0.4796

99.8565, 0.3133,
0.3298

■ 75.6673, 0.4392,
0.4846

100.0000, 0.3127,
0.3290

■ 73.9325, 0.4439,
0.4857

Harmonies

Analogous

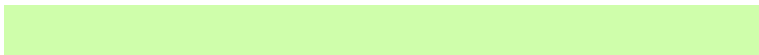
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0313, 0.4098, 0.3915



87.0313, 0.3781, 0.4183



87.0313, 0.3302, 0.4203

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0313, 0.3781, 0.4183



87.0313, 0.2207, 0.2917



87.0313, 0.3410, 0.2771

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.0313, 0.3781, 0.4183



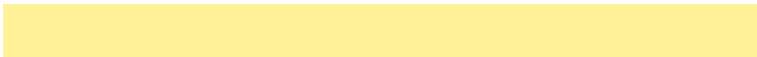
40.8105, 0.2398, 0.2201

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0313, 0.2885, 0.2538



87.0313, 0.3781, 0.4183



87.0313, 0.2229, 0.2591

Square

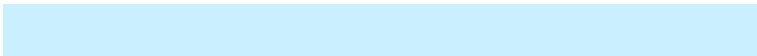
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0313, 0.3781, 0.4183



87.0313, 0.2406, 0.3405



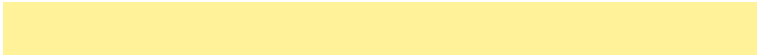
87.0313, 0.2465, 0.2468



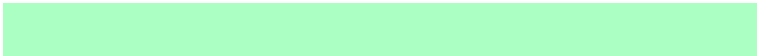
87.0313, 0.3886, 0.3121

Rectangle

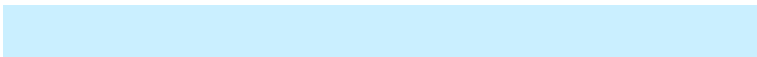
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0313, 0.3781, 0.4183



87.0313, 0.2961, 0.4038



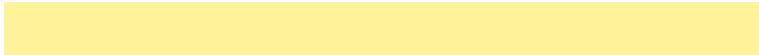
87.0313, 0.2465, 0.2468



87.0313, 0.3231, 0.2678

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87.0303, 0.3781, 0.4183



95.7435, 0.3312, 0.3551



46.4630, 0.4020, 0.3148



20.3984, 0.3333, 0.3580



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

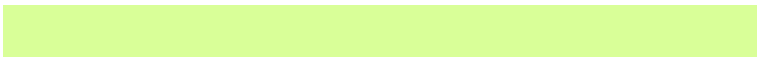
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0303, 0.3781, 0.4183



84.9966, 0.3904, 0.4339



88.5753, 0.3474, 0.4389



20.6763, 0.3272, 0.3496



38.7850, 0.4435, 0.4861



3.8812, 0.4403, 0.4886

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.8105, 0.2398, 0.2201



33.3703, 0.2242, 0.1955



40.5972, 0.2644, 0.2127



17.7471, 0.2979, 0.3076



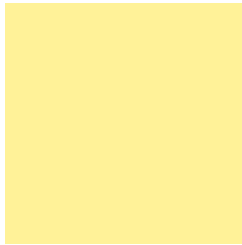
4.4318, 0.1526, 0.0693



0.5420, 0.1568, 0.0845

Previews

White Background



This preview shows how the Yxy color 87.0313, 0.3781, 0.4183 looks on a white background.

Color Contrast Check

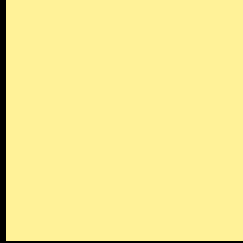
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 87.0313, 0.3781, 0.4183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

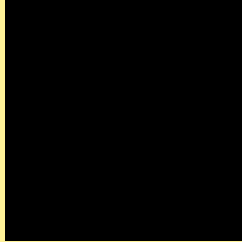
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0313, 0.3781, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 87.0313, 0.3781, 0.4183.

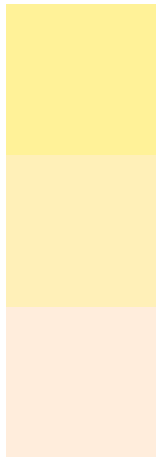


This preview shows how white text looks on a background with the Yxy color 87.0313, 0.3781, 0.4183.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.0313, 0.3781, 0.4183

Protanopia

87.0409, 0.3587, 0.3852

Deuteranopia

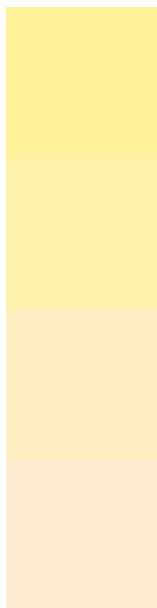
86.9957, 0.3358, 0.3459



Tritanopia

86.6982, 0.3199, 0.3183

Trichromacy



Original Color

87.0313, 0.3781, 0.4183

Protanomaly

87.1492, 0.3661, 0.3981

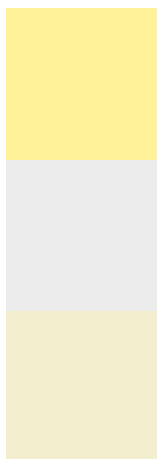
Deuteranomaly

86.9331, 0.3518, 0.3731

Tritanomaly

86.5315, 0.3417, 0.3550

Monochromacy



Original Color

87.0313, 0.3781, 0.4183

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6115, 0.3370, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0313, 0.3781, 0.4183 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 242, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 242, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 152) }
```

Border

The CSS property to change the border of an element to Yxy 87.0313, 0.3781, 0.4183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 242, 152) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 242, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 242, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0313, 0.3781, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
242, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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